Index of Claims

| Application No. | Applicant(s)       |  |  |  |  |  |  |  |  |
|-----------------|--------------------|--|--|--|--|--|--|--|--|
| 10/099,659      | TILTON, JEFFREY A. |  |  |  |  |  |  |  |  |
| Examiner        | Art Unit           |  |  |  |  |  |  |  |  |
| Jennifer A Boyd | 1771               |  |  |  |  |  |  |  |  |

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α О Objected

| CI       | aim      | 7 Date |          |          |          |              |              | ۱<br>ا   | CI                                     | aim        | T          | Date   |            |   |   |                           |          |          | CI      | aim                | Date |                   |          |                    |             |              |  |                 |               |          |          |
|----------|----------|--------|----------|----------|----------|--------------|--------------|----------|--|------------|------------|--------|------------|---|---|---------------------------|----------|----------|---------|--------------------|------|-------------------|----------|--------------------|-------------|--------------|--|-----------------|---------------|----------|----------|
|          | T        | Ţ      | 2        |          |          |              |              |          | 1::::                                  |            |            |        |            |   |   |                           |          |          |         | <u> </u>           |      | $\vdash$          | $\neg$   | Т                  | Ť           | Ť            | T  | Г               | $\overline{}$ |          |          |
| 面        | Original | 1      | •        |          |          | 1            |              | 1        |  | 1          |            | क      | Original   |   |   |                           |          |          |         |                    |      | ज                 | Original |                    |             |              |  | 1               |               |          |          |
| Final    | Ę        | 17     |          |          |          | 1            |              |          |  |            |            | Final  | ] <u>:</u> |   |   |                           |          |          | - 1     | 1                  |      | Final             | ļ įģ     |                    |             |              |  |                 | 1             |          | 1        |
| _        | 0        | 2      | 7        | 1        |          |              |              |          |  |            |            | _      | Ō          |   |   |                           |          |          |         |                    |      | "                 | ŏ        |                    |             |              |  | 1               |               | 1        | 1        |
|          | 1        | V      |          | +        | +        | +-           | ╁            | +        | +                                      | +          | 1          | -      | 51         | $\vdash$                                | $\dashv$  | +                         | -        | $\dashv$ | +       | +                  |      | <b> </b>          | 101      | $\left  - \right $ | $-\vdash$   | +            | +  | +               | ╁             | ├        | 1        |
| <b>—</b> | 2        | ۱v     |          | +-       | +        | +-           | +            | ╁        | +                                      | +-         | 1          |        | 52         | Н                                       | -   |                           | ╁        | -        | +       | +                  |      |                   | 102      |                    |             | +-           | ╀  | ╀               | +-            |          | ╀        |
|          | 3        | V      |          | ╫        | +        | +            | +            | +        | +-                                     | ╁          | -          |        | 53         | H                                       |   | +-                        |          |          |         | +                  |      | -                 | 102      |                    | -           | +            | ┿  | +-              | ╀             | ⊢        | ├        |
|          | 4        | ┿      | ╁╴       | ╁╌       | ╁        | ┿            | +-           | ╁        | +                                      | +          | 1          |        | 54         | $\vdash$                                | -   | +                         | +-       |          |         | 4-                 |      |                   | 103      | $\vdash$           |             | +            | ╁-   | +               | $\vdash$      | ├        | ├        |
| $\vdash$ | 5        | 1.     | +        | -        | ╁╴       | ╁╌           | ╁            | ╁        | +-                                     | +          | 1          |        | 55         |   | +   |                           | +        | -        |         | +                  |      | -                 |          | $\vdash$           | +           | +            | +  | ┼               | ├-            | <u> </u> | -        |
| $\vdash$ | 6        | V      |          | ┢        | ╁        | ╁╌           | +-           | +        | +                                      | +          | 1          |        | 56         |   | -+  |                           | +        | -        | +       |                    |      |                   | 105      | Н                  |             | +            | +-   | +-              | ـ             | <u> </u> | ļ        |
| <u> </u> | 7        | V      |          | ┢        | ╁        | ╁            | +-           | +-       | - -                                    | +-         |            |        | 57         | $\vdash$                                | $\dashv$  | - -                       | -        | $\dashv$ | +       |                    |      |                   | 106      | $\vdash$           | $\dashv$    | +            | +  | ┼               | ┼             | <u> </u> | <u> </u> |
|          | 8        | ľ      | ╁        | $\vdash$ | +-       | ╁            | +            | +        | +                                      | ╁          | -          |        | 58         |   | -   |                           | +        | +        | -       |                    |      |                   | 107      |                    | +           | +            | +-   | +               | ↓             |          | <u> </u> |
|          | 9        | V      | ╁╴       | ┢        | ┢        | ╁╌           | +            | +        | +-                                     | ╁          |            |        | 59         | $\vdash$                                | $\dashv$  |                           | +        | -        |         | +                  |      |                   | 108      | $\Box$             |             | +-           | +  | -               | -             | _        | L.       |
|          | 10       | J      | +        | -        | ╁        | ╁            | ╁            | +        |  | ╁╾         |            |        | 60         |   | -   |                           | -        |          | -       | +                  |      | -                 | 109      | -                  |             | +            | ┼-   | ╀               | ₩             | <u> </u> | ┞-       |
|          | 11       | J      | ┢        | ├        | +-       | -            | +            | +        |  | ╁          | -          |        | 61         | -1                                      | $\dashv$  |                           | +        |          |         |                    |      |                   | 110      | _                  | -           | +            | +-   | 4               | ļ.,           |          | L        |
| -        | 12       | 1      | ╁        | ⊢        | ╁╌       | ╁            | ╁            | ╁        | +-                                     | ╁          |            | ,      |            | $\vdash$                                | -+  | -                         | +        | -        | _       | 4-4                |      |                   | 111      | $\dashv$           | $\perp$     | +            | ↓  | ↓_              |               |          | _        |
| <u> </u> | 13       | V      | ╁        | ├        | ╁        | ┼-           | +-           | ╁        | - -                                    | +          |            |        | 62         |   | -   |                           | +        |          |         | 4-4                |      |                   | 112      |                    |             | $\perp$      | +  | ╄               | <del> </del>  | _        | L        |
| -        | 14       |        | ┼        | ⊢        | ⊢        | ╌            | ┼-           | +-       | +                                      | $\vdash$   |            |        | 63         | $\vdash$                                | -   |                           | +        | -        | $\perp$ | 41                 |      |                   | 113      | _                  |             | 4            | 1-   | -               | ┞             | _        | _        |
|          | 15       | V      | +        | ┢        | -        | ╀╌           | ╀            | +-       | +-                                     | -          |            |        | 64         | Н                                       |   | +                         | +        | -        |         | +                  |      |                   | 114      |                    |             | 4            | ┺  | 1               | L             | <u> </u> | _        |
|          | 16       | V.     | ┼        | ┢        | -        | ╀            | ╀╌           | ┿        | +                                      | ┢          |            |        | 65         | Н                                       | -   |                           | 1        |          |         | +                  |      |                   | 115      | _                  |             | 4_           | 丄  | ļ               |               |          | <u> </u> |
|          |          | 1      | ╀        | -        | ⊢        | ┼-           | ╁            | ╀        | ╄                                      | ┼          | ł          |        | 66         |   | -   | -                         | 1        | _        | - -     | $\perp \perp \mid$ |      | $\longrightarrow$ | 116      |                    |             | $\perp$      | 1_   | 1_              | L             |          |          |
|          | 17       | 1      | -        |          | ┢        | ╀            | ┼-           | ╀        | -                                      | ╀          |            |        | 67         |   |   |                           | $\sqcup$ | _        |         | 4[                 |      |                   | 117      |                    |             | ┸            | L  | _               |               |          |          |
|          | 18       | W      | ╀        | -        | ⊢        | ├-           | ╀            | +-       | +                                      | ⊢          |            |        | 68         | $\vdash$                                |   |                           | $\sqcup$ |          | _ _     | 4-4                |      |                   | 118      | _                  | _ _         | 1_           | 丄  | L               | L_            |          | L        |
|          | 19       | V      |          | <u> </u> | ⊢        |              | ┼            | ╁        | +                                      | ╄          |            |        | 69         | _                                       | -   |                           | 1        | _        | _ _     | $\perp$            |      |                   | 119      | _                  | _ _         | 1_           | L  |                 |               |          |          |
|          | 20       | V      | ⊢        |          | <u> </u> | -            | <del> </del> | ┼-       |  | <b> </b> _ |            |        | 70         |   |   | _                         | $\sqcup$ |          |         | $\sqcup$           |      |                   | 120      |                    |             | $\perp$      |  |                 |               |          |          |
|          | 21       | V      | ├        | <u> </u> | ļ.       | <u> </u>     | ╄            | ╀        | 4                                      | ┞-         |            |        | 71         | _                                       |   | _                         | _        |          |         | 1                  |      |                   | 121      |                    |             |              |  |                 | Ш             |          |          |
|          | 22       | V      | Ŀ        | ļ        | ├-       | ╀            | -            | ╄        | +-                                     | <u> </u>   | l          |        | 72         |   | $\perp$   | _                         | $\sqcup$ |          | _ _     |                    |      |                   | 122      |                    |             |              |  |                 |               |          |          |
|          | 23       | V      | <u> </u> |          | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> |  | <u> </u>   |            |        | 73         | _                                       |   |                           | 1_1      |          | $\perp$ |                    |      |                   | 123      |                    |             |              |  |                 | Ľ             |          |          |
|          | 24       | V      | <u> </u> |          | ļ        | L.           | ╄            | -        | 1_                                     | _          |            |        | 74         | _                                       |   |                           | 1 1      |          |         | $\sqcup$           |      |                   | 124      |                    |             | _            |  |                 |               |          |          |
|          | 25       | V      | <u> </u> | _        | L        | ļ            | _            | ↓_       | $\perp$                                | ļ          |            |        | 75         |   |   |                           | $\perp$  | $\perp$  |         |                    |      |                   | 125      |                    |             |              |  |                 |               |          |          |
|          | 26       | V      | _        |          | _        | _            | L            | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | _          |            |        | 76         |   |   |                           |          |          |         |                    |      |                   | 126      |                    |             |              |  |                 |               |          |          |
|          | 27       |        |          |          | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> | ┸-                                     | _          | L          |        | 77         |   |   |                           |          |          |         |                    |      |                   | 127      |                    |             |              |  |                 |               |          |          |
|          | 28       |        | Ш        |          | L_       | <u> </u>     | <u> </u>     | <u> </u> |  |            |            |        | 78         |   | $\bot$  | $\perp$                   | Ш        |          |         | Ш                  |      |                   | 128      |                    |             | Τ            |  |                 |               |          |          |
|          | 29       | _      | Ш        |          |          | L_           | L            | _        | _                                      |            | L          |        | 79         |   |   |                           |          |          |         |                    | :::[ |                   | 129      |                    |             | Т            |  |                 | П             |          |          |
|          | 30       | _      |          |          | L        |              | <u> </u>     | ╙        | L                                      | <u>L</u>   | <u>ا</u> ا |        | 80         |   |   |                           |          |          |         |                    |      |                   | 130      | $\Box$             |             |              |  |                 |               |          |          |
|          | 31       |        |          |          | _        | _            |              | L        | 1_                                     |            |            | 1      | 81         |   |   |                           | LI       |          |         |                    | ijΓ  |                   | 131      |                    |             |              | Π  |                 |               |          |          |
|          | 32       | _      |          |          |          | L            | _            | L        | _                                      |            |            |        | 82         |   |   |                           |          |          |         |                    |      |                   | 132      |                    |             | Т            | Π  | Г               | П             |          |          |
|          | 33       | _      |          |          |          |              | <u>L</u>     |          |  |            | L          |        | 83         |   |   |                           |          |          |         |                    |      |                   | 133      | $\Box$             |             | T            |  |                 |               |          |          |
|          | 34       |        | Ш        |          |          | <u> </u>     | _            |          | $\perp$                                |            |            |        | 84         | $_{\perp}$ T                            | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Gamma}}}$ | $oxed{\Box}$              |          |          | $\Box$  |                    | ıſ   |                   | 134      |                    |             | 1            |  |                 | П             | $\neg$   | _        |
|          | 35       |        |          |          | L        |              | L            |          |  |            |            |        | 85         | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |   | $oldsymbol{\mathbb{I}}^-$ |          |          | T       |                    |      |                   | 135      | $\neg$             | $\neg \neg$ |              | П  |                 |               |          |          |
|          | 36       |        | Ш        |          |          | _            | ,            | 上        |  |            | [          |        | 86         |   |   |                           |          |          |         |                    | Ī    |                   | 136      |                    |             | T            |  |                 | П             | _        |          |
|          | 37       |        |          |          |          | <u> </u>     |              |          |  | $\Box$     | :::[       |        | 87         | $_{ m I}$                               | $\perp$   | $I^{-}$                   |          |          | T       |                    | Ī    |                   | 137      | ┪                  | $\top$      | 1            | Γ  |                 |               | $\neg$   | $\neg$   |
|          | 38       |        |          |          |          | $oxed{\Box}$ | L            | Ĺ        | L                                      |            | [          | T      | 88         |   | $\Box$  | T                         |          |          | T       |                    | Ī    |                   | 138      | _                  | T           | 1            | T  |                 | $\Box$        | $\dashv$ | $\neg$   |
|          | 39       |        | Ш        |          |          |              | L            | L        |  |            |            |        | 89         | $\Box$                                  | T   |                           |          |          |         | П                  | ľ    |                   | 139      | T                  | $\top$      |              |  |                 |               |          | $\neg$   |
|          | 40       |        |          |          |          |              | 匚            |          |  |            | ::::[      |        | 90         | $\top$                                  | T   |                           |          | $\top$   |         | П                  | ľ    |                   | 140      |                    | $\top$      |              |  | -               | $\Box$        | 一        |          |
|          | 41       |        |          |          |          |              |              |          |  |            |            |        | 91         |   |   |                           |          | $\top$   | $\top$  |                    | ı    |                   | 141      | $\top$             | $\top$      | 1-           | <del>                                     </del> |                 | $\neg$        | $\dashv$ | $\dashv$ |
|          | 42       |        |          |          |          |              |              |          |  |            |            |        | 92         |   | $\top$  |                           | $\Box$   | 7        | 1       |                    | ١    |                   | 142      | $\top$             |             | T            |  |                 |               | $\neg$   | $\dashv$ |
|          | 43       |        | $\Box$   |          |          |              |              | 匚        |  |            | Γ          |        | 93         |   |   | T                         |          |          | $\top$  | П                  | ľ    |                   | 143      | +                  | $\top$      | 1            |  | П               |               | 寸        | $\dashv$ |
|          | 44       |        |          |          |          |              |              |          |  |            | Γ          | $\Box$ | 94         | $\top$                                  | 1   |                           |          | $\top$   | $\top$  | П                  |      | 1                 | 144      | $\neg$             | 十           |              |  |                 | -             |          | ᅱ        |
|          | 45       |        |          |          |          |              |              |          | П                                      | П          |            |        | 95         | 7                                       | $\top$  | $\top$                    | $\sqcap$ | 1        | 1       | П                  | ı    |                   | 145      | $\dashv$           | $\top$      | T            | Н  | Н               | -             | -+       | $\dashv$ |
| T        | 46       |        |          |          |          |              |              |          |  | $\Box$     |            | $\neg$ | 96         |   | $\top$  | 1                         | $\Box$   | +        | $\top$  | М                  | ۱    |                   | 146      | +                  | +           | t-           | H  | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 47       |        |          |          |          |              |              |          | П                                      |            |            |        | 97         | $\top$                                  | +   | +                         | $\vdash$ | _        | +       |                    | 1    | -+                | 147      | $\dashv$           | +           | <del> </del> | $\vdash$   | $\vdash \vdash$ | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 48       |        |          |          |          |              |              |          | П                                      | $\neg$     |            |        | 98         | $\dashv$                                | +   | +                         | $\vdash$ | +        | +       | -                  | ŀ    |                   | 148      | +                  | +-          | $\vdash$     | $\vdash$   | -               | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 49       |        |          |          | $\neg$   | $\neg$       |              |          |  | $\dashv$   |            |        | 99         | +                                       | +   | +                         | $\vdash$ | +        | +-      | H                  | ŀ    |                   | 149      | +                  | +-          | -            | $\vdash \vdash$                                  | $\dashv$        | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 50       |        |          |          |          |              |              |          |  | $\neg$     | -          |        | 100        | $\neg \vdash$                           | +   | +                         | $\vdash$ | +-       | +       | +                  | -    |                   | 150      | $\dashv$           | +-          | -            | $\vdash$   | $\vdash$        | +             | -+       | $\dashv$ |